

MATLA THREE PHASE UPS TECHNICAL SPECIFICATIONS

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|----------------------------|---|---|
| | 10KVA upwards; three phase 400v or as required 50.0Hz or 60.0Hz | +/- 10% +/- 5% |
| RECTIFIER | Output voltage adjustment range Output regulation Overload capacity Output ripple content Current walk in Auto boost | +/- 10% +/- 1% 120% continuous <2% 10 seconds to maximum 2.4V/cel adjustable |
| INVERTER | Output voltage 230/400 or as required Static regulation 0-100% load Dynamic regulation 100% load-application/removal Transient recovery Loss of AC supply Total harmonic distortion Overload Continuous 100% load imbalance capability Frequency stability 50.0Hz or 60.0Hz Load power factor Efficiency Short circuit proof by electronic limiting with automatic re-start after 10-seconds | +/- 1% +/- 5% 2% within 2 milliseconds +/- 1% <5% typically 3% 110% continuous 125% 5 minutes 200% for 5 cycles +/-0.1% crystal controlled 0.8 lagging to unity Approx. 90% or better |
| STATIC SWITCH | Fully automatic transfer/retransfer capacity High/low AC voltage transfer Low AC voltage rejection Overload Frequency tracking & locking range Sensing on each phase individually Transfer time Total detection and transfer time Slew rate Static switch will unlock and free run at 50.0Hz if mains is outside pre-set limits | +/- 10% (adjustable) -20% (adjustable) 1500% for 5 cycles 49Hz-51Hz in 0,25Hz steps 300 micro-seconds 500 micro-seconds 1Hz/second (adjustable) |
| COMMUNICATION INTERFACE | RS232 intelligence SNMP interface | Standard On request |
| DISPLAY | Multifunction mimic panel with LCD display and with data logging | Standard |
| ENVIRONMENTAL CONDITIONS | Room temperature: Recommended Extreme Humidity: Recommended Extreme (non-condensing) | 15 – 25 0 – 40 40% - 60% 0% - 90% |
| GENERAL | All cabinets epoxy powder coated Cable entry Noise level – Computer room compatible Altitude | RAL7032 top, bottom or side +/- 60DbA Up to 2000m |
| UPS DIMENSIONS (cm) | 10KVA to 60KVA (Cabinet 2) 80KVA & 100KVA (Cabinet 3) 120KVA to 200KVA (Cabinet 4) | 83 (w) x 73 (d) x 182 (h) 125 (w) x 73 (d) x 182 (h) 116 (w) x 74 (d) x 182 (h) |
| BATTERY CABINET DIMENSIONS | Battery Cabinet 1 Battery Cabinet 2 | 55 (w) x 80 (d) x 182 (h) 83 (w) x 73 (d) x 182 (h) |